

FIG. 1

202

Screen Columns Maintenance

Please select the appropriate screen, edit the columns characteristic or create new columns, click the Update Button to make the change permanent.

Screen Columns Maintenance

Basic Info

Screen ID: 10

1 of 2

Screen ID	Master Table	Column ID	Column Name	Default Value	System Value	Launch Screen	Column Size	Column Height	Display Mode	Drop Down Key Column	Drop Down Ref Column	Generate	Job Index	Tab Index	Sort Order	Unit	Range	Range	Range	Range
61	Y	Screen - ScreenId	ScreenId				150		TextBox			Y	Basic Info	10		Y				Edit/Delete
71	N	ScreenObj - ScreenObjId	ScreenObjId						TextBox			Y		20		Y				Edit/Delete
73	N	ScreenObj - MasterTable	MasterTable						CheckBox			Y		30		Y				Edit/Delete
74	N	ScreenObj - ColumnId	ColumnId						DropDownList	DbColumn - ColumnId	DbColumn - ColumnDesc	Y		40		N				Edit/Delete
75	N	ScreenObj - ColumnName	ColumnName						TextBox			Y		50		Y				Edit/Delete
76	N	ScreenObj - DefaultValue	DefaultValue						TextBox			Y		60		N				Edit/Delete
77	N	ScreenObj - SystemValue	SystemValue						TextBox			Y		70		N				Edit/Delete
78	N	ScreenObj - LaunchScreen	LaunchScreen						TextBox			Y		80		N				Edit/Delete
79	N	ScreenObj - ColumnSize	ColumnSize						TextBox			Y		90		N				Edit/Delete
80	N	ScreenObj - ColumnHeight	ColumnHeight						TextBox			Y		100		N				Edit/Delete
81	N	ScreenObj - DisplayModelId	DisplayModelId						DropDownList	CIdDisplayType - TypeId	CIdDisplayType - TypeDesc	Y		110		Y				Edit/Delete
82	N	ScreenObj - DdlKeyColumnId	DdlKeyColumnId						DropDownList	DbColumn - ColumnId	DbColumn - ColumnDesc	Y		120		N				Edit/Delete
83	N	ScreenObj - DdlRefColumnId	DdlRefColumnId						DropDownList	DbColumn - ColumnId	DbColumn - ColumnDesc	Y		130		N				Edit/Delete
572	N	ScreenObj - GenerateSp	GenerateSp	Y					CheckBox			Y		135		Y				Edit/Delete

ScreenObj: ScreenTab ScreenTab

200

FIG. 2

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302

Server Rules Maintenance - Microsoft Internet Explorer

Please select the appropriate screen, edit the server rules characteristic or create new rules reference, click the Update Button to make the change permanent.

Server Rules Maintenance

Basic Info

AutScreenObj Screen ID: 0

1 of 1

Server Rule Type	Master Table	Rule Name	Rule Description	Execution Order	Procedure Name	Parameter Names	Parameter Types	Calling Params	On Add	On Update	On Delete
Inference	N	Update ColumnDesc	Hidden column ColumnDesc need to be updated	50	IR00000008UpdScreenObjColumnDesc	screenObjId	SqlInt32	ScreenObjId14	Y	Y	N
Inference	N	Initialize ScreenObjHlp Table	Insert if not exists in child table ScreenObjHlp	100	IR00000004InitScreenObjHlp	screenId,screenObjId,columnName	SqlInt32,SqlInt32,string	ScreenId15,ScreenObjId14,ColumnName14	Y	Y	N
Inference	N	Initialize Columns Authority Table	Insert if column of default authority not exists in Column Authority Table	200	IR00000006InitAuthCol	screenId,screenObjId,tabIndex	SqlInt32,SqlInt32,SqlInt16	ScreenId15,ScreenObjId14,TabIndex14	Y	Y	N
Inference	N	Erase from ScreenObjHlp Table	Cascade delete child ScreenObjHlp first	300	IR00000005DelScreenObjHlp	screenObjId	SqlInt32	ScreenObjId14	N	N	Y
Inference	N	Erase from Column Authority Table	Cascade delete unused rows from Column Authority first	400	IR00000007DelAuthCol	screenObjId	SqlInt32	ScreenObjId14	N	N	Y

Done

300

FIG. 3

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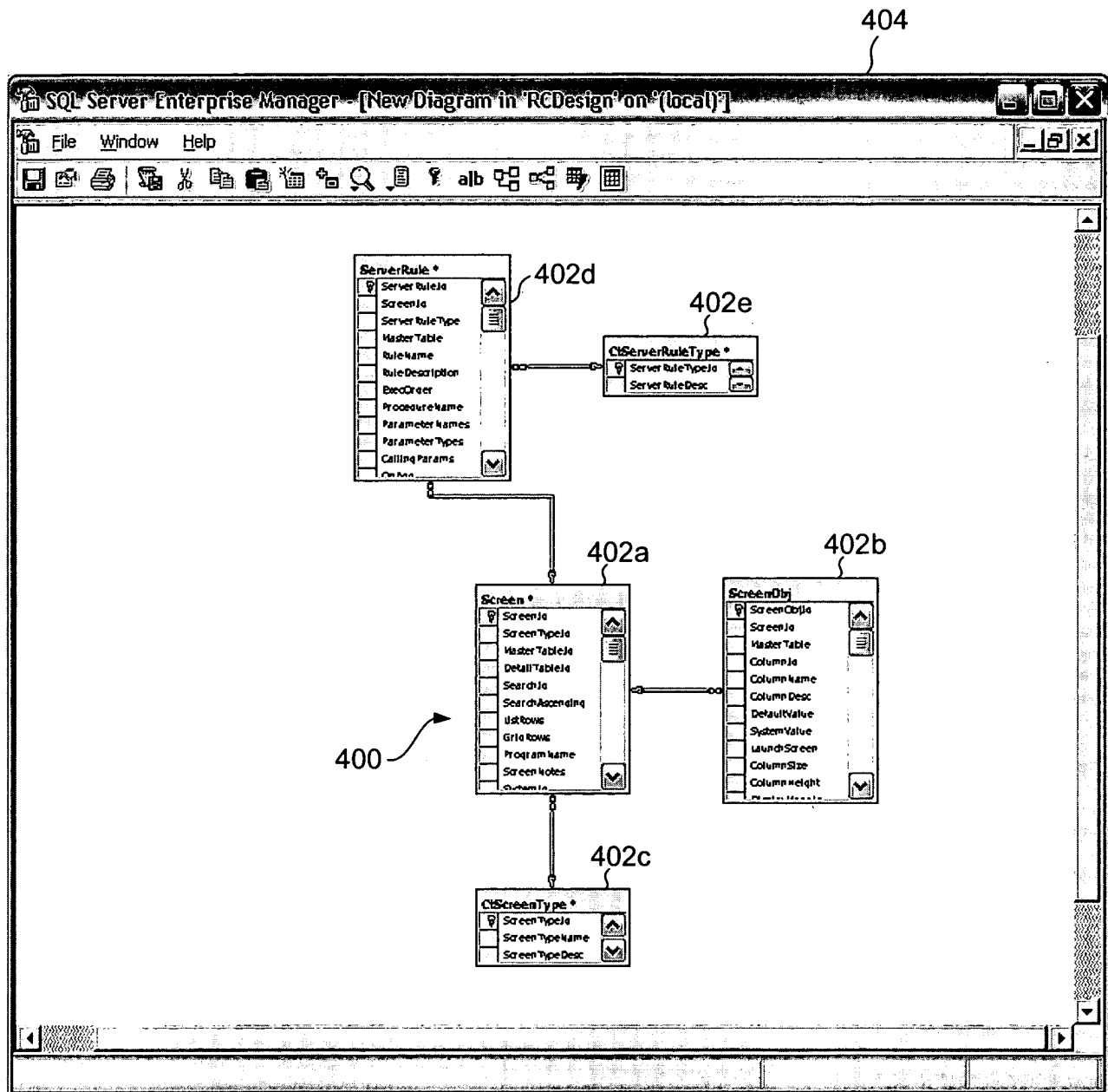


FIG. 4

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```
--DECLARE objCursor CURSOR
FOR SELECT c.TypeDesc, a.SystemValue, a.DdiRefColumnId, b.TableId, e.TableName, b.ColumnName, b.ColumnLength, b.ColumnIdentity, b.PrimaryKey
, DataTypeName = CASE WHEN d.DataTypeName = 'Decimal' THEN 'Float' ELSE d.DataTypeName END, f.dbAppDatabase
FROM ScreenObj a
LEFT OUTER JOIN DbColumn b ON a.ColumnId = b.ColumnId
INNER JOIN CtDisplayType c ON a.DisplayModeId = c.TypeId
LEFT OUTER JOIN CtDataType d ON b.DataType = d.DataTypeId
LEFT OUTER JOIN DbTable e ON b.TableId = e.TableId
LEFT OUTER JOIN Systems f ON e.SystemId = f.SystemId
WHERE a.ScreenId = @screenId ORDER BY b.PrimaryKey desc, a.TabIndex

FOR READ ONLY
OPEN objCursor
FETCH NEXT FROM objCursor INTO @displayMode, @systemValue, @ddiRefColumnId, @tableId, @tableName, @columnName, @columnLength, @columnIdentity, @primaryKey
WHILE @@FETCH_STATUS = 0
BEGIN
    IF @primaryKey = 'Y' /* This is the first row */
    BEGIN
        SELECT @varName = '0' + @columnName + CONVERT(VARCHAR(10),@tableId)
        SELECT @mainTable = @dbAppDatabase + '.dbo.' + @tableName, @whereClause = @columnName + ' = ' + @varName, @ins3Clause = @varName + ' = 0'
        SELECT @varName = @varName + CHAR(9) + @dataTypeName
        IF CHARINDEX(@dataTypeName,'binary,varbinary,nchar,nvarchar,char,varchar') > 0
            SELECT @varName = @varName + '(' + CONVERT(VARCHAR(6),@columnLength) + ')'
        SELECT @procedureAddSql = @procedureAddSql + @comma1 + @varName + ' = NULL OUTPUT' + CHAR(13)
        SELECT @procedureUpdSql = @procedureUpdSql + @comma1 + @varName + ' = NULL' + CHAR(13)
        SELECT @procedureDelSql = @procedureDelSql + ' + @varName + ' = NULL' + CHAR(13)
    END
    ELSE
    IF @tableId IS NOT NULL AND @dbAppDatabase + '.dbo.' + @tableName = @mainTable
    BEGIN
        IF @systemValue IS NULL OR @systemValue = ''
        BEGIN
            SELECT @varName = '0' + @columnName + CONVERT(VARCHAR(10),@tableId) + CHAR(9) + @dataTypeName
            IF CHARINDEX(@dataTypeName,'binary,varbinary,nchar,nvarchar,char,varchar') > 0
                SELECT @varName = @varName + '(' + CONVERT(VARCHAR(6),@columnLength) + ')'
            SELECT @procedureAddSql = @procedureAddSql + @comma1 + @varName + ' = NULL' + CHAR(13)
            SELECT @procedureUpdSql = @procedureUpdSql + @comma1 + @varName + ' = NULL' + CHAR(13)
        END
        IF @ins1Clause <> '' SELECT @ins1Clause = @ins1Clause + ','
    END
    SELECT @procedureAddSql = @procedureAddSql + @comma1 + @varName + ' = NULL' + CHAR(13)
    SELECT @procedureUpdSql = @procedureUpdSql + @comma1 + @varName + ' = NULL' + CHAR(13)
    SELECT @procedureDelSql = @procedureDelSql + ' + @varName + ' = NULL' + CHAR(13)
END
END
```

500

FIG. 5

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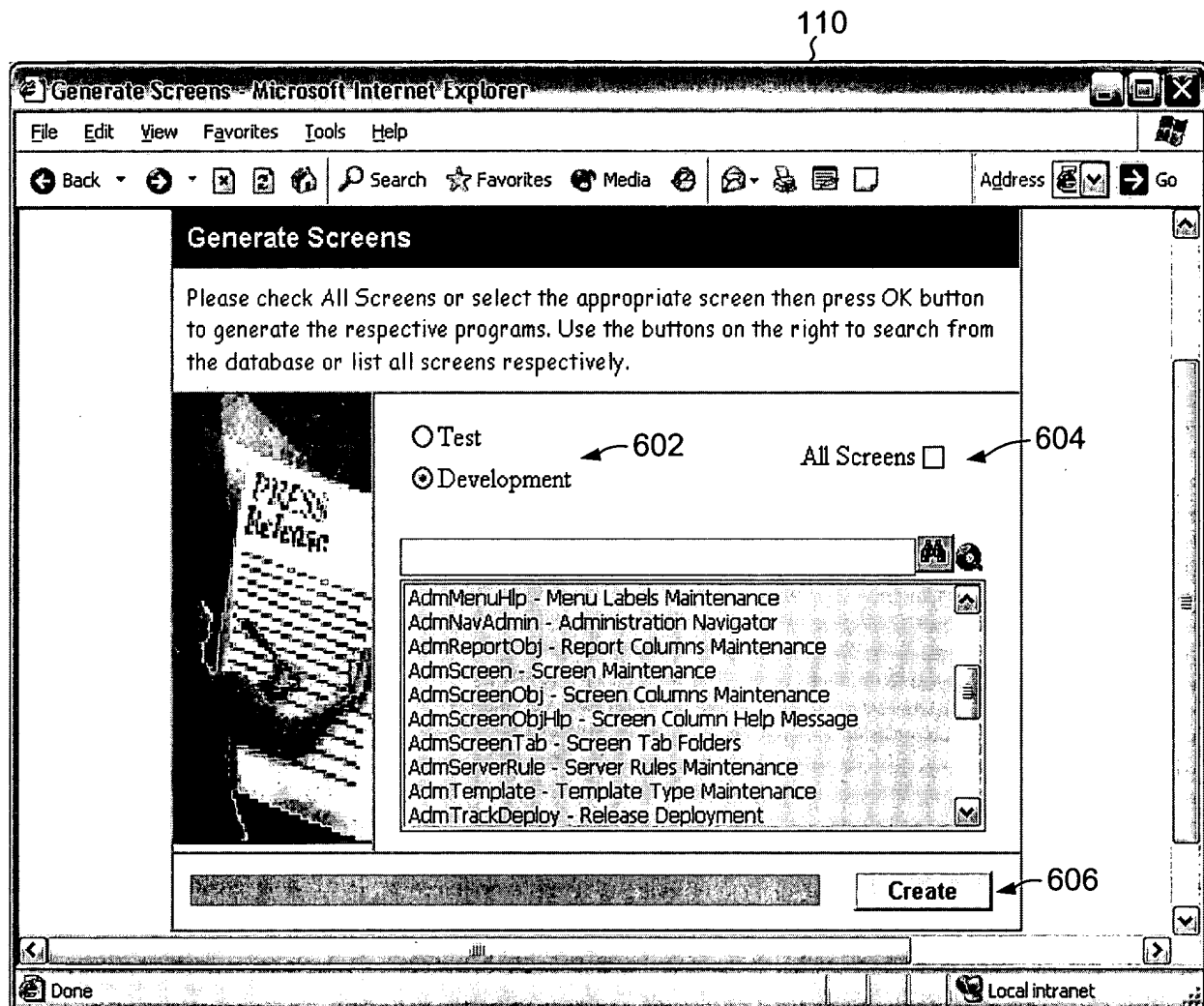


FIG. 6

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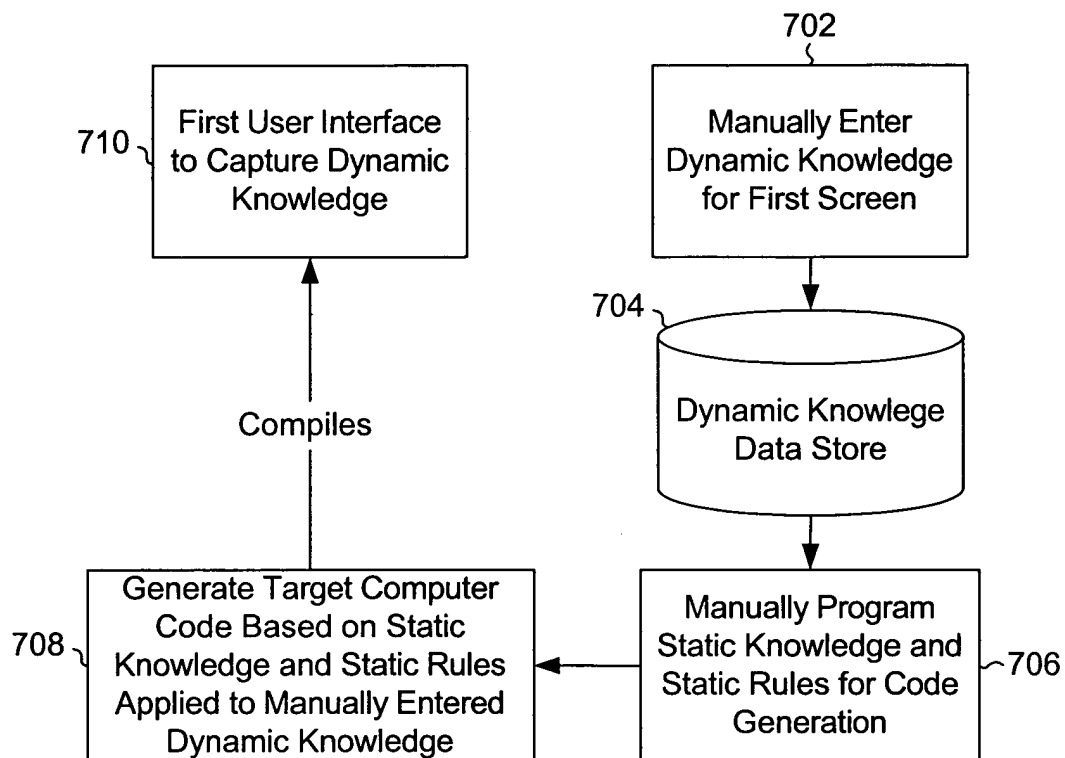


FIG. 7

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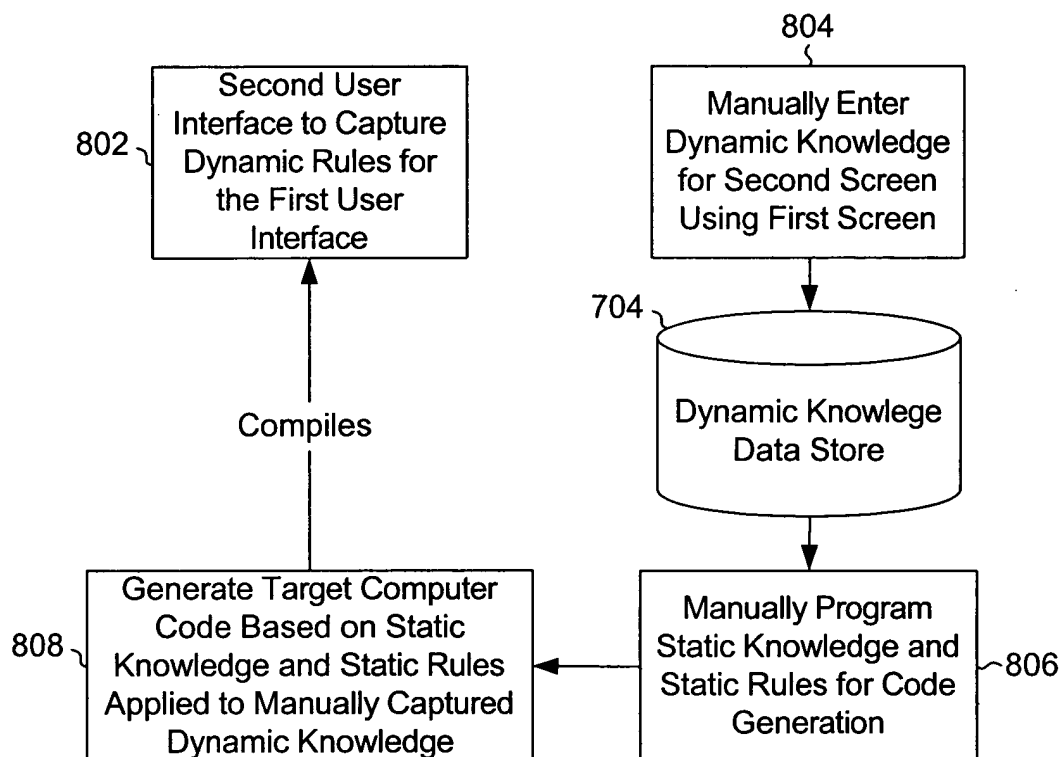


FIG. 8

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Please select the member, then add/edit the appropriate salary information, click the Update Button to mc
valid-from must be one day after. The last valid-to must be year 9999.

Salary Info

Update

☒ Active Employee ← 902
☐ Inactive Employee

John Doe 2
John Doe 2
John Doe 3
John Doe 4
John Doe 7

Main Info
Member ID7

Hrs	vacation	Exempt	Exempt	Unpaid	ID1 Prov	Taxable Benefit	Bonus	Annual Salary	Gross Pay	CPP	EI
80	4	N	N	7,756.00	8,307.00	0.00	0.00	214,440.00	9,934.61	145.64	64
80	4	N	N	7,756.00	8,307.00	0.00	0.00	223,375.00	8,704.61	0.00	819

FIG. 9

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Please select the member, then add/edit the appropriate salary information, click the Update Button to make valid-from must be one day after. The last valid-to must be year 9999.

Salary Info
Update

☐ Active Employee
☒ Inactive Employee ← 1002

John Doe 6

Main Info

Member ID 1

1 of 1

Pay Period Hrs	Vacation%	EI Exempt	Corp Exempt	TD1 Fed	TD1 Prov	Taxable Benefit	Bonus	Annual Salary	Gross Pay	CPP	EI
80	4	N	N	7,634.00	8,168.00	0.00	0.00	55,754.40	1,476.00	50.07	26
80	4	N	N	7,634.00	8,168.00	0.00	0.00	78,628.00	2,081.54	73.21	37
80	4	N	N	7,756.00	8,307.00	0.00	0.00	78,628.00	2,081.54	77.11	35
80	4	N	N	7,756.00	8,307.00	0.00	0.00	17,220.00	1,838.46	107.57	48
80	4	Y	N	7,756.00	8,307.00	600.00	0.00	39,220.00	9,938.46	0.00	0

FIG. 10

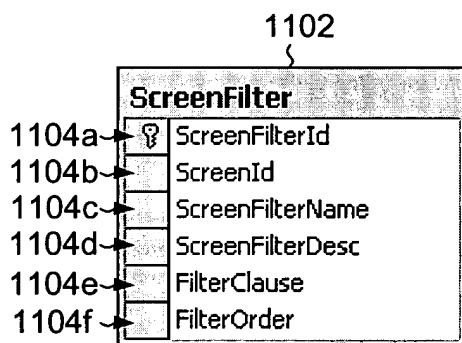


FIG. 11

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Please select the appropriate screen, edit the columns characteristic or create new columns, click the Upd.

Screen Columns Maintenance Update

Main Info
 Screen ID

1 of 1

Screen Column ID	Master Table	Column ID	Column Name	Default Value	System Value	Launch Screen Size	Column Height	Display Mode	Drop Down Key Column
840	Y	ScreenFilter - ScreenFilterId	ScreenFilterId				100	TextBox	
841	Y	ScreenFilter - ScreenId	ScreenId					DropDownList	Screen - ScreenId
842	Y	ScreenFilter - ScreenFilterName	ScreenFilterName				250	TextBox	
844	Y	ScreenFilter - FilterClause	FilterClause				400	66 MultiLine	
845	Y	ScreenFilter - FilterOrder	FilterOrder				50	TextBox	
846	N	ScreenFilterHlp - ScreenFilterHlpId	ScreenFilterHlpId					TextBox	
848	N	ScreenFilterHlp - CultureId	CultureId					DropDownList	CtCultureT - CultureId
849	N	ScreenFilterHlp - FilterName	FilterName					TextBox	

1202a 1202b 1202c 1202d 1202e 1202f 1202g 1202h 1202i 1202j 1202k


FIG. 12

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1300

Generate Screens

Please check All Screens or select the appropriate screen then press OK button to generate the respective programs. Use the buttons on the right to search from the database or list all screens respectively.



☐ Test

☒ Development

1302

All Screens ☐

AdmScreenFilter - Screen Filters Maintenance

AdmScreenObj - Screen Columns Maintenance

AdmScreenObjHlp - Screen Column Help Message

AdmScreenTab - Screen Tab Folders

AdmServerRule - Server Rules Maintenance

AdmTemplate - Template Type Maintenance

AdmUsr - User Maintenance

AdmUsrGroup - User Groups Maintenance

AdmWizardObj - Wizard Columns Maintenance

AdmWizardRule - Wizard Rules Maintenance

Programs for Screen "AdmScreenFilter - Screen Filters Maintenance" generated successfully.

Create

FIG. 13

Please select the appropriate screen filter radio-button, edit the contents, click the Update Button to make changes permanent c permitted.

Screen Filters Maintenance

UpdateDelete

<Add a new AdmScreenFilter>
PaySalary - Active Employee
PaySalary - Inactive Employee

Main Info

Filter ID

2

Screen

PaySalary

Filter Name

Active Employee

Filter Clause

Active = 'Y' AND EXISTS (SELECT 'true' FROM
RCHrs.dbo.MemberInfo a01 WHERE a00.MemberId =
a01.MemberId AND a01.Employee = 'Y')

Filter Order

1


1 of 1

Culture	Filter Header	Edit	Delete
en-US	Active Employee	Edit	Delete

FIG. 14

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1500



```
,
sb.Append(GetCnDclr(dw["SysProgram"].ToString()) + ", SqlInt32 screenFilterId)" + (char)13);
sb.Append("      (" + (char)13);
sb.Append("      if ( da == null )" + (char)13);
sb.Append("      (" + (char)13);
sb.Append("      throw new System.ObjectDisposedException( GetType().FullName );" + (char)
sb.Append("      )" + (char)13);
sb.Append("      SqlCommand selCmd = new SqlCommand(\"GetLis\" + dw[\"ProgramName\"].ToString()
sb.Append("      selCmd.CommandType = CommandType.StoredProcedure;" + (char)13);
parameterNames.Remove(0, parameterNames.Length);
parameterNames.Append(dtLis.Rows[0][\"Parameter1Names\"].ToString());
param = "";
while (parameterNames.Length > 0)
{
    param = (new Utils()).PopFirstWord(parameterNames, (char)44);
    sb.Append("      selCmd.Parameters.Add(\"@\" + param + "\", \" + param + \");" + (char)13);
}
sb.Append("      selCmd.Parameters.Add(\"@screenFilterId\", screenFilterId);" + (char)13);
sb.Append("      da.SelectCommand = selCmd;" + (char)13);
sb.Append("      DataTable dt = new DataTable();" + (char)13);
sb.Append("      da.Fill(dt);" + (char)13);
sb.Append("      return dt;" + (char)13);
sb.Append("      )" + (char)13);
sb.Append("      )" + (char)13);
```

FIG. 15

Please select the appropriate screen filter radio-button, edit the contents, click the Update Button to make changes permanent c permitted.

Screen Filters Maintenance

UpdateDelete

☒ Administration Screens

<Add a new AdmScreenFilter>
AdmScreenFilter - Administration Screens

1 of 1

Culture	Filter Header	Edit	Delete
en-US	Administration Screens	Edit	Delete

Main Info

Filter ID4

ScreenAdmScreenFilter

Filter NameAdministration Screens

Filter ClauseEXISTS (SELECT 'true' FROM dbo.Screen a01 INNER JOIN
dbo.Systems a02 ON a01.SystemId = a02.SystemId WHERE
a00.ScreenId = a01.ScreenId AND a02.SysProgram = 'Y')

Filter Order1

1600

FIG. 16

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Please select the appropriate screen filter radio-button, edit the contents, click the Update Button to make changes permanent c permitted.

Screen Filters Maintenance

UpdateDelete

☒ Administration Screens
☐ Other Screens

<Add a new AdmScreenFilter>
AdmScreenFilter - Administration Screens
AdmScreenFilter - Other Screens

Culture	Filter Header		
en-US	Other Screens	Edit	Delete
		Edit	Delete

Main Info

Filter ID8

ScreenAdmScreenFilter

Filter NameOther Screens

Filter ClauseEXISTS (SELECT 'true' FROM dbo.Screen a01 INNER JOIN
dbo.Systems a02 ON a01.SystemId = a02.SystemId WHERE
a00.ScreenId = a01.ScreenId AND a02.SysProgram <> 'Y')

Filter Order2

1 of 1

1700

FIG. 17

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1800

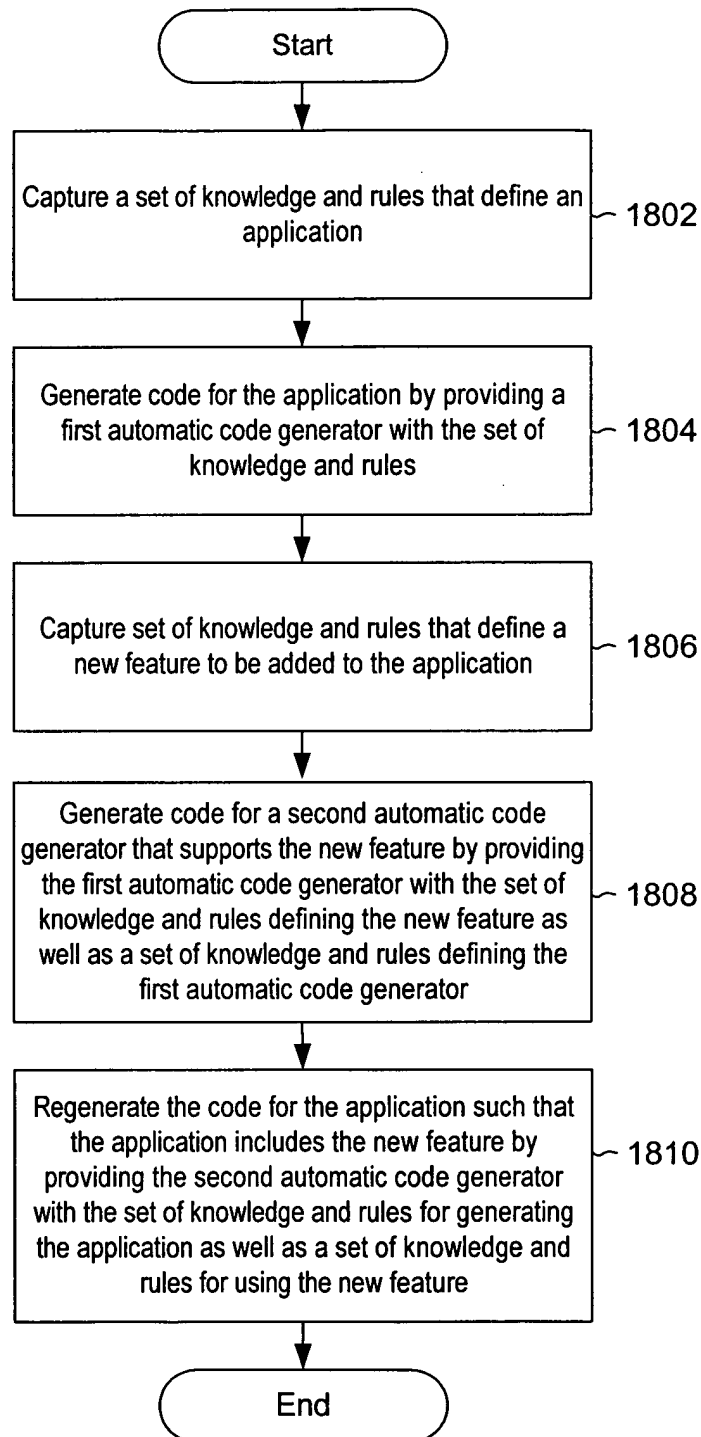


FIG. 18